

Sub
a1

5

$\begin{pmatrix} \Gamma_{\text{H}}^{(1)} \\ \Gamma_{\text{H}}^{(2)} \\ \vdots \\ \Gamma_{\text{H}}^{(n)} \end{pmatrix}$ $\begin{pmatrix} \Gamma_{\text{H}}^{(1)} \\ \Gamma_{\text{H}}^{(2)} \\ \vdots \\ \Gamma_{\text{H}}^{(n)} \end{pmatrix}$ $\begin{pmatrix} \Gamma_{\text{H}}^{(1)} \\ \Gamma_{\text{H}}^{(2)} \\ \vdots \\ \Gamma_{\text{H}}^{(n)} \end{pmatrix}$ $\begin{pmatrix} \Gamma_{\text{H}}^{(1)} \\ \Gamma_{\text{H}}^{(2)} \\ \vdots \\ \Gamma_{\text{H}}^{(n)} \end{pmatrix}$

10

15

25

means as information for specifying said arbitrary terminal in said system.

4. A system according to claim 1, further comprising managing means for managing a correlation between said arbitrary terminal and said base station identification information allocated to said arbitrary terminal.

5. A system according to claim 1, further comprising:

link establishment request receiving means for receiving, from said arbitrary terminal, a link establishment request using at least any of unique terminal information for specifying said arbitrary terminal, base station identification information allocated from a base station other than a self base station to said arbitrary terminal, and unique base station information for specifying said another base station; and

link establishment processing means for executing a link establishing process with said arbitrary terminal on the basis of the reception information received by said link establishment request receiving means.

6. A system according to claim 5, further

comprising registration deletion request means for
requesting said another base station to delete the
registration of said base station identification
information allocated from said another base station to
5 said arbitrary terminal.

7. A system according to claim 1, further
comprising:

10 registration deletion request receiving means for
receiving a registration deletion request of said base
station identification information allocated by said
identification information allocating means from said
base station; and

15 registration deleting means for executing the
registration deletion of said base station
identification information on the basis of the
registration deletion request received by said
registration deletion request receiving means.

20 8. A system according to claim 7, wherein said
registration deletion request receiving means uses the
base station identification information whose
registration was deleted by said registration deleting
means as an object of allocatable base station
25 identification information.

9. A communicating method in a system constructed

Sub
a2

by a base station and a plurality of terminals existing in a service zone which is formed by said base station, comprising the steps of:

(a) forming a link for wireless communication with said plurality of terminals; and

(b) allocating base station identification information for specifying an arbitrary terminal on the basis of a predetermined condition to said arbitrary terminal at a timing of forming said link.

10. A method according to claim 9, further comprising the step of notifying of a reception to said arbitrary terminal by using said base station identification information allocated to an arbitrary wireless terminal from said wireless base station in said identification information allocating step.

11. A method according to claim 9, further comprising the step of specifying said terminal for said system by using unique base station information for specifying said base station and said base station identification information.

12. A method according to claim 9, further comprising the step of temporarily storing a correlation between terminal information and said base station identification information and managing.

13. A method according to claim 9, further comprising the step of:

when said terminal requests to form a link, requesting a link establishment using an identifier of said base station to an arbitrary wireless base station to which said base station identification information has been allocated in said identification information allocating step, and requesting a link establishment using unique terminal information for specifying said arbitrary wireless terminal to a wireless base station other than said arbitrary wireless base station.

14. A method according to claim 13, further comprising the step of requesting said another wireless base station to delete the registration of said base station identification information from said base station through a wire communication path in the case where the link between said terminal and said base station has been established.

15. A storage medium in which a processing program for embodying functions according to claim 9 has been stored in a computer-readable state.

16. A communication system comprising:
(a) a wireless control device, connected to a plurality of base stations, for controlling

25

Sub
94

communication between said base stations;

(b) a base station for forming each zone together with a plurality of terminals; and

(c) said terminal connected to each of said base stations,

wherein said base station allocates unique identification information to each of said terminals in a self zone at a predetermined timing and manages said identification information.

17. A system according to claim 16, wherein said base station notifies said wireless control device of said identification information and the information of said terminal corresponding to said identification information.

18. A system according to claim 16, wherein said wireless control device connects each of said base stations to an outside through various media.

19. A system according to claim 18, wherein said media is an ISDN network.

20. A system according to claim 18, wherein said media is an ATM network.

21. A system according to claim 18, wherein said media is an LAN.